

10/580,864

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NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	MAY 01	New CAS web site launched
NEWS	3	MAY 08	CA/CAPLUS Indian patent publication number format defined
NEWS	4	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS	5	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS	6	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS	7	MAY 21	CA/CAPLUS enhanced with additional kind codes for German patents
NEWS	8	MAY 22	CA/CAPLUS enhanced with IPC reclassification in Japanese patents
NEWS	9	JUN 27	CA/CAPLUS enhanced with pre-1967 CAS Registry Numbers
NEWS	10	JUN 29	STN Viewer now available
NEWS	11	JUN 29	STN Express, Version 8.2, now available
NEWS	12	JUL 02	LEMBASE coverage updated
NEWS	13	JUL 02	LMEDLINE coverage updated
NEWS	14	JUL 02	SCISEARCH enhanced with complete author names
NEWS	15	JUL 02	CHEMCATS accession numbers revised
NEWS	16	JUL 02	CA/CAPLUS enhanced with utility model patents from China
NEWS	17	JUL 16	CAPLUS enhanced with French and German abstracts
NEWS	18	JUL 18	CA/CAPLUS patent coverage enhanced
NEWS	19	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	20	JUL 30	USGENE now available on STN
NEWS	21	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	22	AUG 06	BEILSTEIN updated with new compounds
NEWS	23	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	24	AUG 13	CA/CAPLUS enhanced with additional kind codes for granted patents
NEWS	25	AUG 20	CA/CAPLUS enhanced with CAS indexing in pre-1907 records
NEWS	26	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	27	AUG 27	USPATOLD now available on STN
NEWS	28	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data

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NEWS 29 SEP 07 STN AnaVist, Version 2.0, now available with Derwent  
World Patents Index  
NEWS 30 SEP 13 FORIS renamed to SOFIS  
NEWS 31 SEP 13 INPADOCDB: New SDI frequency MONTHLY available now  
  
NEWS EXPRESS 05 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 05 SEPTEMBER 2007.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
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NEWS IPC8 For general information regarding STN implementation of IPC 8

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\* \* \* \* \* STN Columbus \* \* \* \* \*

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=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 17:50:43 ON 14 SEP 2007

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STRUCTURE FILE UPDATES: 13 SEP 2007 HIGHEST RN 947061-18-9

DICTIONARY FILE UPDATES: 13 SEP 2007 HIGHEST RN 947061-18-9

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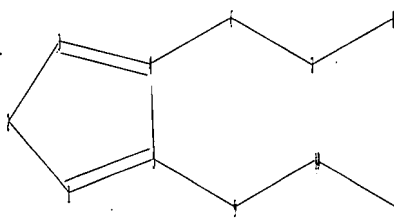
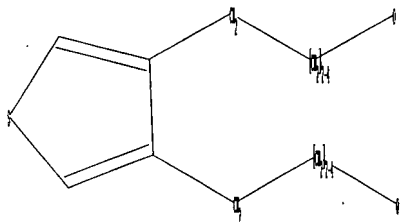
10/580,864

on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10580864.str



chain nodes :

6 7 8 9 10 11

ring nodes :

1 2 3 4 5

chain bonds :

4-6 5-9 6-7 7-8 9-10 10-11

ring bonds :

1-2 1-5 2-3 3-4 4-5

exact bonds :

1-2 1-5 2-3 3-4 4-5 4-6 5-9 6-7 7-8 9-10 10-11

isolated ring systems :

containing 1 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS  
10:CLASS 11:CLASS

L1 STRUCTURE UPLOADED

=> s

ENTER LOGIC EXPRESSION, QUERY NAME, OR (END):end  
SEARCH ENDED BY USER

=> s 11

SAMPLE SEARCH INITIATED 17:51:18 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 190 TO ITERATE

100.0% PROCESSED 190 ITERATIONS  
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 2973 TO 4627

10/580,864

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 ful

FULL SEARCH INITIATED 17:51:32 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 3978 TO ITERATE

100.0% PROCESSED 3978 ITERATIONS

6 ANSWERS

SEARCH TIME: 00.00.01

L3 6 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.55

172.76

FILE 'CAPLUS' ENTERED AT 17:51:41 ON 14 SEP 2007

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FILE COVERS 1907 - 14 Sep 2007 VOL 147 ISS 13

FILE LAST UPDATED: 13 Sep 2007 (20070913/ED)

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=> s 13

L4 3 L3

=> d 14 ibib abs hitstr hitind 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:540576 CAPLUS

DOCUMENT NUMBER: 143:60382

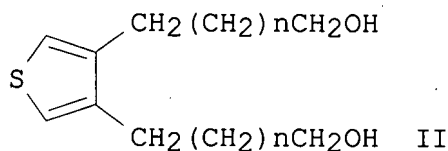
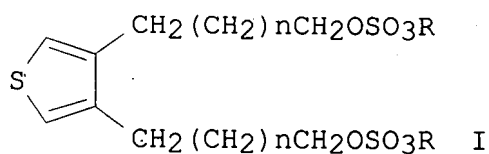
TITLE: Sulfoxyalkylthiophene compound and its production process

10/580,864

INVENTOR(S): Suzuki, Hideo  
PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan  
SOURCE: PCT Int. Appl., 25 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005056545	A1	20050623	WO 2004-JP17063	20041117
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1693370	A1	20060823	EP 2004-820104	20041117
R: DE, FR, GB, NL				
CN 1890233	A	20070103	CN 2004-80036809	20041117
PRIORITY APPLN. INFO.:			JP 2003-411124	A 20031210
			WO 2004-JP17063	W 20041117

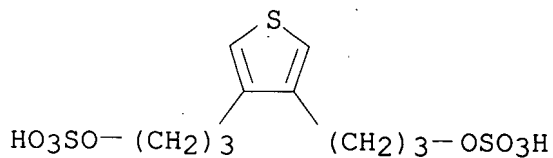
OTHER SOURCE(S): MARPAT 143:60382  
GI



AB Sulfoxyalkylthiophene compound I (R = H, alkali metal or alkaline earth metal atom; n = 1-3), a useful  $\pi$ -conjugated conductive polymer monomer capable of oxidation polymerization, is prepared by treating II with SO<sub>3</sub> or SO<sub>3</sub> complexes.  
IT 854588-85-5P  
RL: IMF (Industrial manufacture); PREP (Preparation) (preparation of sulfoxyalkylthiophene monomers)  
RN 854588-85-5 CAPLUS

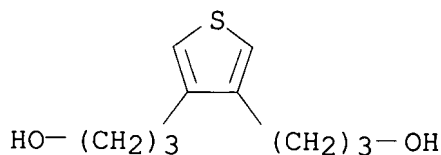
10/580,864

CN 3,4-Thiophenedipropanol, bis(hydrogen sulfate), disodium salt (9CI)  
(CA INDEX NAME)



●2 Na

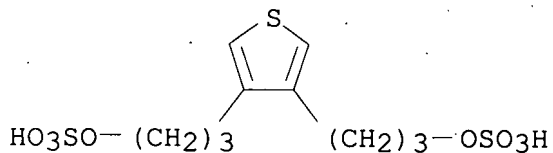
IT 72326-79-5P, 3,4-Thiophenedipropanol 854588-84-4P  
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation);  
RACT (Reactant or reagent)  
(preparation of sulfoxyalkylthiophene monomers)  
RN 72326-79-5 CAPLUS  
CN 3,4-Thiophenedipropanol (9CI) (CA INDEX NAME)



RN 854588-84-4 CAPLUS  
CN 3,4-Thiophenedipropanol, bis(hydrogen sulfate), compd. with pyridine  
(1:2)  
(9CI) (CA INDEX NAME)

CM 1

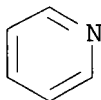
CRN 854588-83-3  
CMF C10 H16 O8 S3



CM 2

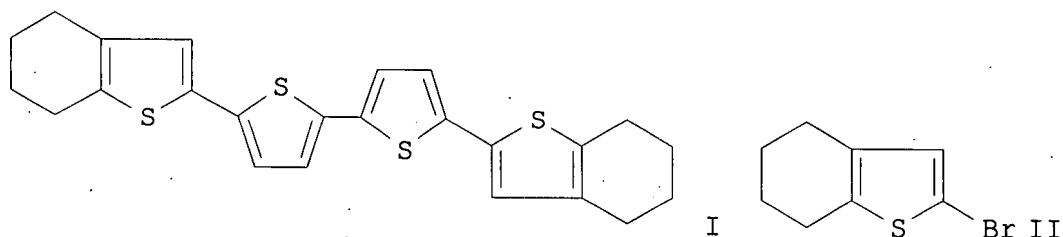
10/580,864

CRN 110-86-1  
CMF C5 H5 N



IC ICM C07D333-16  
CC 35-2 (Chemistry of Synthetic High Polymers)  
Section cross-reference(s): 27  
IT 854588-85-5P  
RL: IMF (Industrial manufacture); PREP (Preparation)  
(preparation of sulfoxyalkylthiophene monomers)  
IT 72326-79-5P, 3,4-Thiophenedipropanol 330595-69-2P  
854588-84-4P  
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation);  
RACT  
(Reactant or reagent)  
(preparation of sulfoxyalkylthiophene monomers)  
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR  
THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE  
FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1995:25094 CAPLUS  
DOCUMENT NUMBER: 122:31237  
TITLE: End-capped oligothiophenes - new model compounds  
for  
polythiophenes  
AUTHOR(S): Baeuerle, Peter  
CORPORATE SOURCE: Institut fur Organische Chemie und  
Isotopenforschung,  
Universitat Stuttgart, Stuttgart, W-7000/80,  
Germany  
SOURCE: Advanced Materials (Weinheim, Germany) (1992),  
4(2),  
102-7  
CODEN: ADVMEW; ISSN: 0935-9648  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
GI



AB Cross-coupling Grignard reactions, catalyzed by Ni(DPPP)Cl<sub>2</sub>, were used to prepare the title oligomers, e.g. I, starting from the building block II.

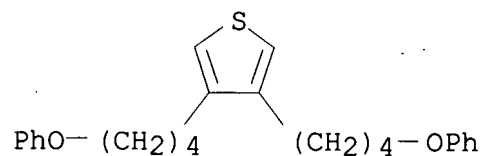
Phys. properties of the oligothiophenes were investigated. E.g., the longest wavelength absorptions ( $\pi$ - $\pi^*$ ) and the emission maxima shift to lower energies as the extent of the  $\pi$ -system in the oligomers increases. Compared to polythiophenes, the oligothiophenes show enhanced solubility. Cyclic voltammetry of the compds. showed that, starting with the tetramer, even stable dications can be created. The trimer was doped with I2 to give a charge-transfer complex with elec. conductivity ( $\sigma$ ) = 10<sup>-2</sup> S/cm.

IT 159633-41-7

RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation and phys. properties of end-capped oligothiophenes)

RN 159633-41-7 CAPLUS

CN Thiophene, 3,4-bis(4-phenoxybutyl)- (9CI) (CA INDEX NAME)



CC 27-8 (Heterocyclic Compounds (One Hetero Atom))

Section cross-reference(s): 22, 35, 36, 76

IT 3141-27-3, 2,5-Dibromothiophene 4805-22-5, 2,2'-Bithiophene,  
5,5'-dibromo 98057-08-0 125878-84-4 159633-41-7

RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation and phys. properties of end-capped oligothiophenes)

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1980:41674 CAPLUS

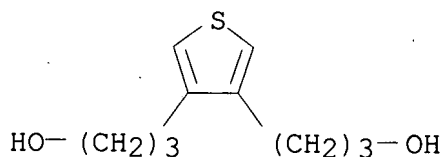
DOCUMENT NUMBER: 92:41674

TITLE: The synthesis of bis(4-methyl-3-pentenyl)thiophenes

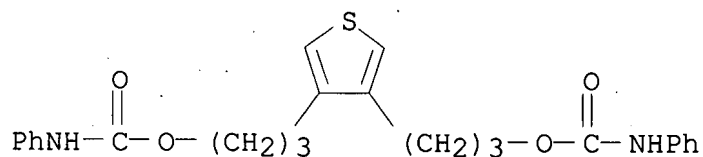


10/580,864

AUTHOR(S): Janssen, Cornelus G. M.; Macco, Anton A.; Buck, Henk  
CORPORATE SOURCE: M.; Godefroi, Erik F.  
Eindhoven, Dep. Org. Chem., Eindhoven Univ. Technol.,  
Neth.  
SOURCE: Recueil des Travaux Chimiques des Pays-Bas (1979),  
98(7-8), 448-51  
CODEN: RTCPA3; ISSN: 0034-186X  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 92:41674  
AB 2,3-, 2,4-, 2,6-, And 3,4-bis(4-methyl-3-pentenyl)thiophenes were  
prepared  
via the Wittig olefination of the corresponding bis(2-  
formylethyl)thiophene.  
IT 72326-79-5P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);  
RACT  
(Reactant or reagent)  
(preparation and oxidation of).  
RN 72326-79-5 CAPLUS  
CN 3,4-Thiophenedipropanol (9CI) (CA INDEX NAME)



IT 72326-80-8P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 72326-80-8 CAPLUS  
CN 3,4-Thiophenedipropanol, bis(phenylcarbamate) (9CI) (CA INDEX NAME)



CC 27-8 (Heterocyclic Compounds (One Hetero Atom))  
IT 72326-79-5P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);  
RACT  
(Reactant or reagent)  
(preparation and oxidation of)

10/580,864

IT 72326-76-2P 72326-80-8P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
18.24	191.00

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-2.34	-2.34

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